

Figure 1a 2009/2007

Effect of pre-capacitation (Pre-C) and post capacitation (Post-C) sperm treatment with LSA on zona pellucida binding. N = 4.

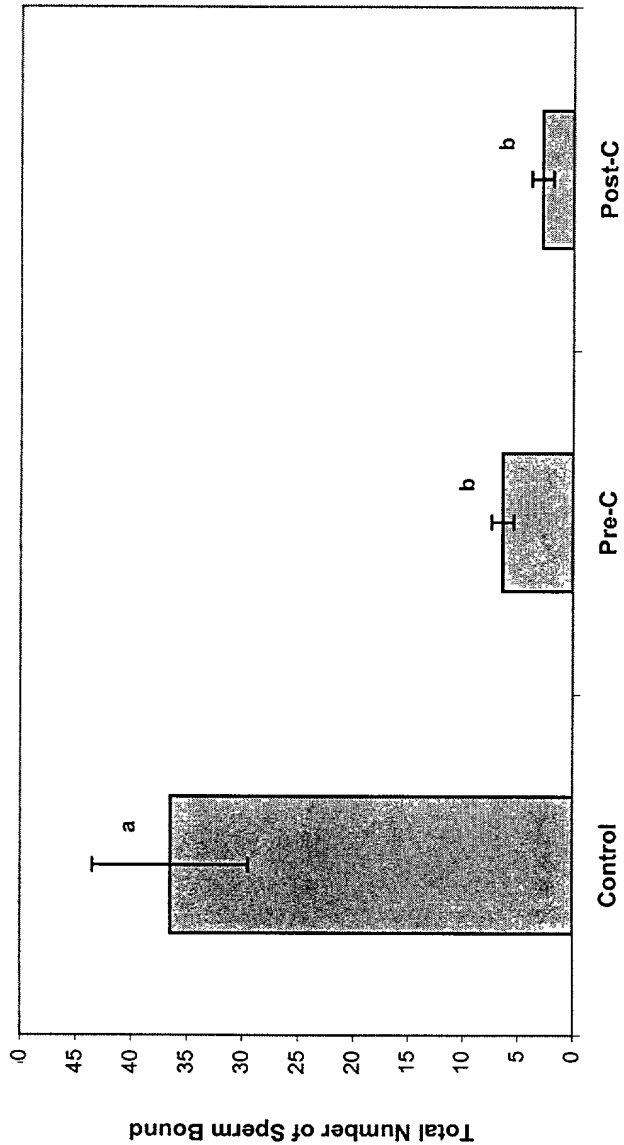


Figure 2
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Percent Motility (%Mot) and Progression (Prog) of Sperm Treated with 1.5 mg/ml of LSA; Pre-Wash (PW) and Post -Capacitation (PC). Zona Binding Assay (ZBA) and IVF.

ZBA				IVF			
Male	Control % Mot Prog	PW % Mot Prog	PC % Mot Prog	Male	Control % Mot Prog	PW % Mot Prog	PC % Mot Prog
876	70 3	60 2	72 3	361	78 3	86 3	81 3
70	71 3	78 3	83 3	776	56 2	53 2	59 2
711	80 4	76 3	73 4	776	68 3	71 3	70 3
776	76 3	85 4	82 4	70	63 2	66 2	69 2
Mean	74.3 3.3	74.8 3.0	77.5 3.5	Mean	66.3 2.5	69.0 2.5	69.8 2.5
SEM	2.7 0.3	6.1 0.5	3.4 0.3	SEM	5.3 0.3	7.9 0.3	5.2 0.3

Figure 3

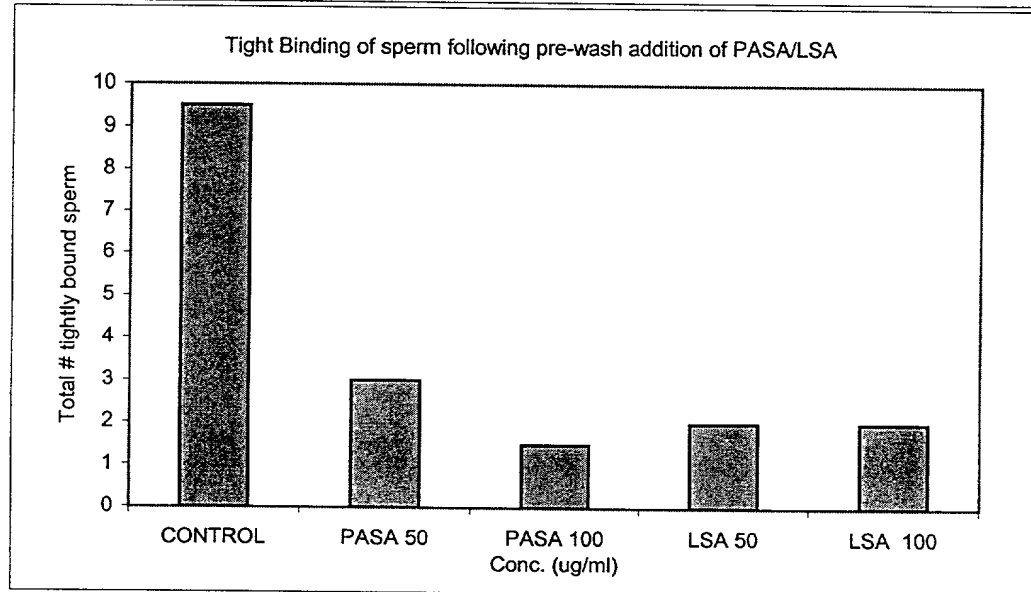
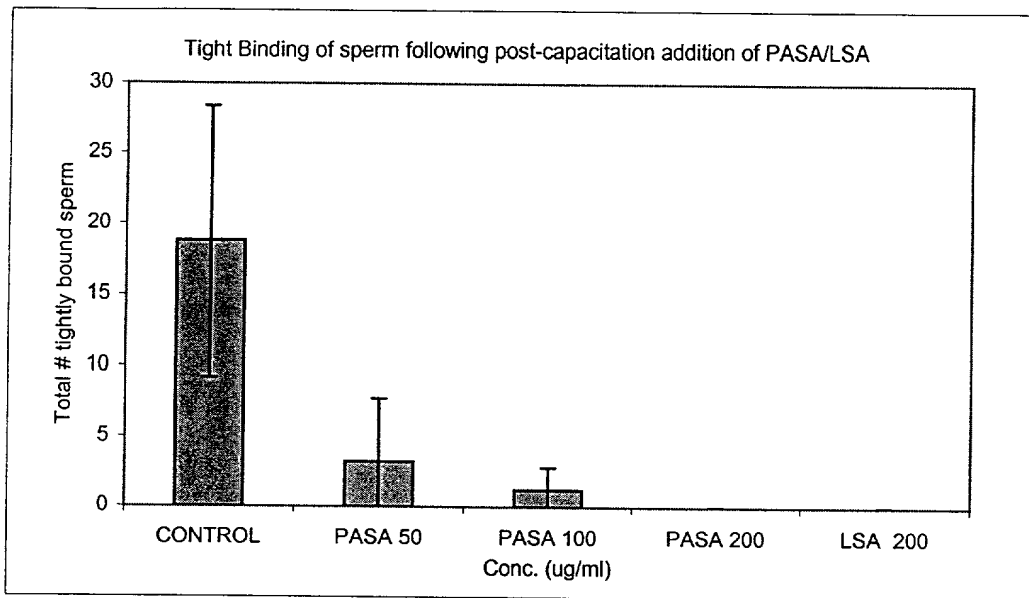


Figure 4

Effect of pre-capacitation (Pre-C) and post capacitation (Post-C) sperm treatment with Fucoidin on zona pellucida binding. N=4.

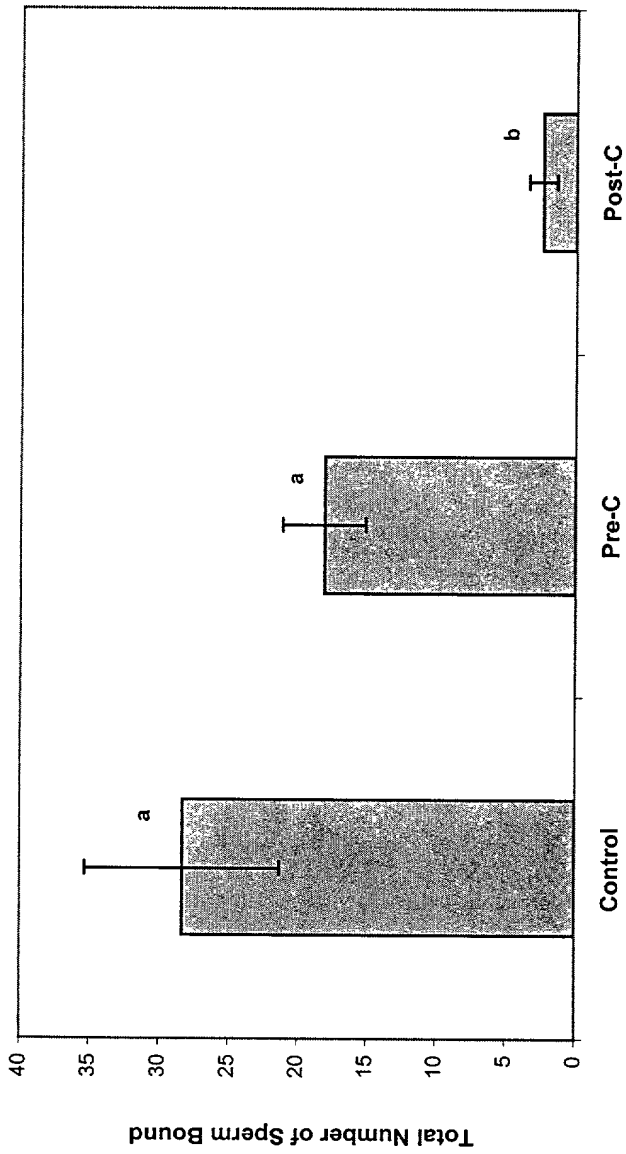
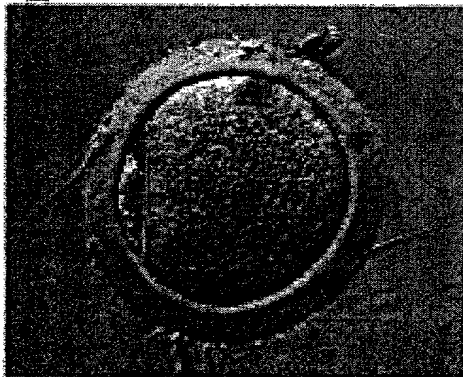


Figure 5

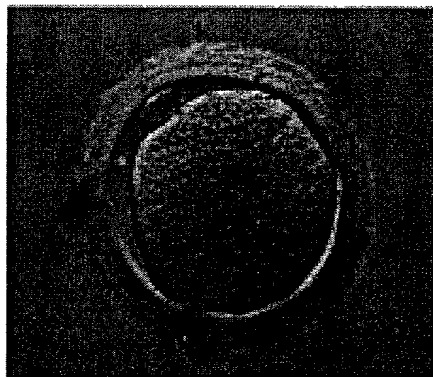
IVF with sperm treated with 1.5 mg/ml LSA ; Pre-Wash (PW) and Post-Capacitation (PC). Sperm concentration = 500,000 motile/ml. 4-5 Oocytes per treatment.

Fertilization Rates (%)			
Female	Male	Control	PW PC
29082	361	80	0 0
29230	776	40	0 0
29877	776	100	0 0
28541	70	40	0 0
Mean		65.0	0 0
SEM		17	0 0

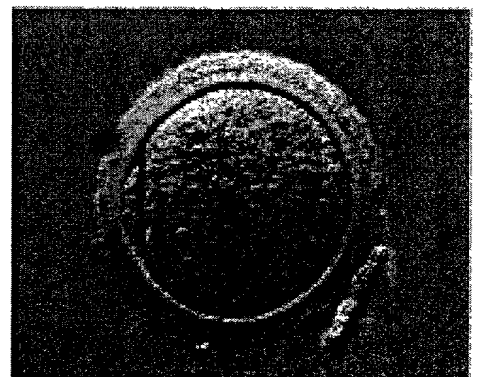
Figure 6



A

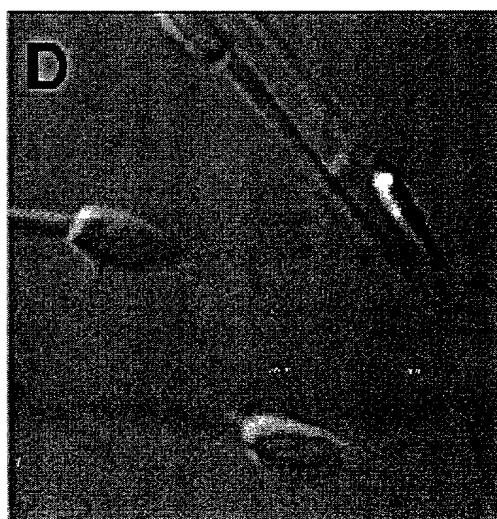
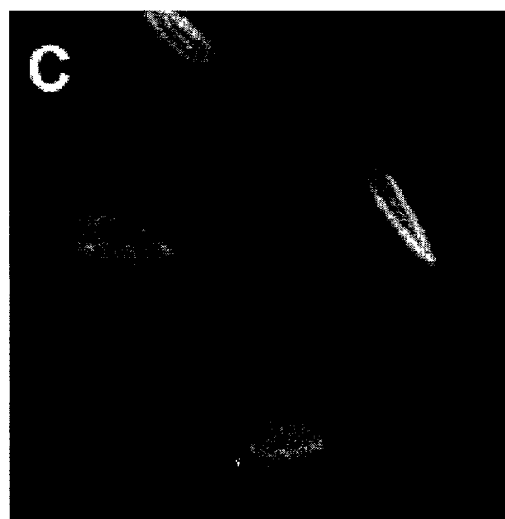
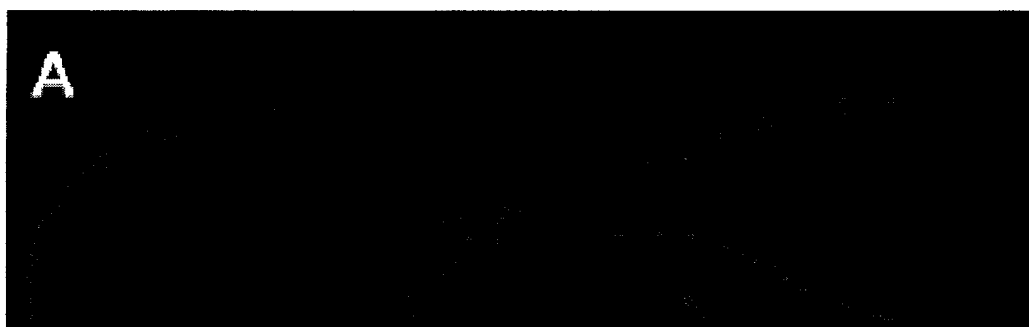


B



C

Figure 7



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